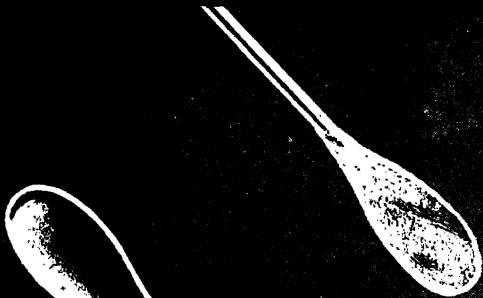




BY INJECTION

Subcutaneously or intramuscularly, ADRENALIN provides rapid symptomatic relief in asthmatic paroxysms; is useful in the prevention and treatment of other allergic reactions; localizes and prolongs the action of local anesthetics. Intravenously, it is used in shock and anesthesia accidents.

BY APPLICATION



By its vasoconstrictor action in hemorrhage, ADRENALIN permits better visualization of the surgical field, and aids in the diagnosis and treatment of certain conditions encountered in ear, nose and throat practice.

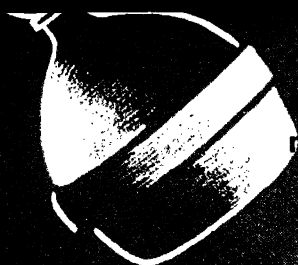
BY INSTILLATION



Into the nasal passage, ADRENALIN produces prompt decongestion; in the eye ADRENALIN decreases vascular congestion, and aids in the removal of foreign bodies.



BY INHALATION



By ADRENALIN relieves severe attacks of bronchial asthma by relaxing the bronchial muscles.

Its remarkable ability to stimulate the heart and increase cardiac output, raise the blood pressure, constrict the peripheral arterioles, dilate blood vessels of voluntary muscles, and relax bronchial muscles . . . makes ADRENALIN one of the most *versatile* and *useful* therapeutic agents at the command of the physician. Little wonder, then, that it's always kept close at hand in operating room, office, and medical bag.

To permit full use of its many therapeutic applications, there is a form of ADRENALIN (Epinephrine) to meet every medical need: Solutions of 1:100, 1:1000, 1:2600, 1:10,000; Suspension of 1:500 in oil; and Inhalant, Suppository, and Ointment.



PARKE, DAVIS & COMPANY

DETROIT 32 • MICHIGAN



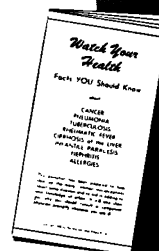
FOURTH IN A SERIES OF CHALLENGES TO MEDICINE'S

Achievements For Tomorrow

POLIOMYELITIS is a dreaded disease. The virus has been isolated and many of its habits are known. But — we must find out why it strikes down some, yet fails to make others sick, and we must discover some method of immunizing susceptible persons against the insidious polio virus.

Until research leads us to the solution, the public should continue to be educated — given the facts about polio so they will not become panicky during an epidemic, but will know how to employ the best preventive measures.

In the pamphlet "Watch Your Health" we have given such information on poliomyelitis—one of the seven serious diseases discussed. Copies for distribution to your patients are available on request.

**WARREN-TEED***Medicaments of Exact Quality Since 1920*

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Zweegman School for Medical Secretaries

535 Powell Street
San Francisco 2, California

Catalogue on Request

EXbrook 5053

Dear Doctor:

- Read the advertising pages
- Show your interest by correspondence and patronage
- Support those firms who advertise in your state Journal

Real Estate Loans



F. H. A. loans are readily available on existing homes up to 80% of the appraised value. You can buy a home and pay for it in small monthly installments like rent. For example, a 20-year loan of \$4000 would cost about \$33.71 per month, including taxes, insurance, principal and interest.

*Come in and talk with us.
We can help you get the home
you want.*

**CROCKER FIRST
NATIONAL BANK**
OF SAN FRANCISCO
California's Oldest National Bank
ONE MONTGOMERY STREET
Member Federal Deposit Insurance Corporation

Typical heart of subacute bacterial endocarditis showing large and small thrombotic masses on aortic valves, and left ventricular hypertrophy.



PENICILLIN

... IN SUBACUTE BACTERIAL ENDOCARDITIS

Penicillin is the best agent available for the treatment of this devastating disease. Although in a few instances it may be desirable to use the continuous intravenous route, intramuscular injection is the one of choice. If best results are to be obtained 200,000 to 300,000 units should be given daily for three weeks or longer. (Keefer, C. S. et al.: New Dosage Forms of Penicillin, J. A. M. A. 128:1161, Aug. 18, 1945.)

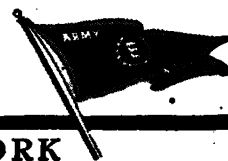
Bristol Penicillin, because of its low toxicity and freedom from pyrogens, as well as its absolute sterility and standard potency, provides dependable therapeutic action.

The rapidly developing new clinical uses of this potent antibiotic are abstracted in issues of the *BRISTOL PENICILLIN DIGEST*. If you are not receiving *your copies* regularly, drop us a line.

BRISTOL
LABORATORIES
INCORPORATED

Formerly Cheplin Laboratories Inc.

SYRACUSE 1, NEW YORK



Classified Advertisements

Rates for these insertions are \$4 for fifty words or less; additional words 5 cents each. Copy for classified advertisements should be received not later than the fifteenth of the month preceding issue.

AZNOE'S, established 1896, has available a splendid group of well trained Physicians for appointments. Many desire assistantships; others are specialists qualified to head departments. We also place Nurses, Dietitians, Laboratory, X-ray and Physiotherapy Technicians. For biographies, please write Ann Woodward, Director, Aznoe's-Woodward Medical Personnel Bureau, 30 North Michigan, Chicago 2.

FOR SALE—Physician and surgeon wishes to sell a well established general practice, equipment and drugs included. Excellent location in downtown Los Angeles. Retiring. Box 9510, California and Western Medicine.

WANTED: Association with reliable group, physician, or surgeon, preferably in or near Los Angeles. Veteran World War II, excellent service record, excellent character, age 33, married, capable. Complete biography and photo upon request. Immediately available. Address replies. Wisconsin M.D., Box 9540, California and Western Medicine.

IMMEDIATE OPENING for capable M.D. General practice southern coastal city. Salary—future good. Write Box 9550, California and Western Medicine, giving full, detailed particulars about yourself—your qualifications.

GENERAL SURGEON, 49, wide experience, eligible American Board, licensed California, now first assistant to nationally known surgeon and research worker at Tulane University, will finish present appointment in January. Wishes to make contacts looking toward association with active surgeon or group or will buy suitable surgical practice. Box 9530, California and Western Medicine.

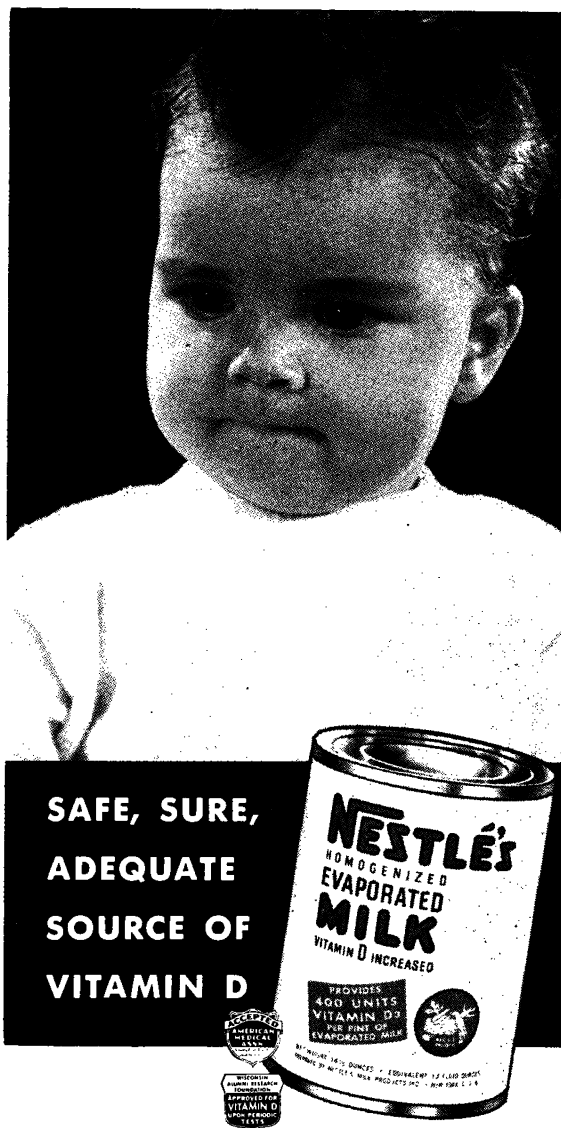
SITUATIONS WANTED—(A) Pathologist, age 39, with excellent preparation and experience wishes hospital or clinical appointment. Has California license. (B) Diplomate American Board Surgery, age 38, wishes group or association appointment with established surgeon, preferably Southern California. (C) M.D. Anesthetist, Diplomate American Board Anesthesiology with fine experience as Director of Anesthesia in University hospitals wishes either group clinic, teaching or hospital appointment, California. Age 39; fine personality. (D) Immediately available, high grade Orthopedist, Diplomate American Board Orthopedic Surgery with splendid experience, age 39, wishes either general surgery or orthopedics in California. Has licensure. (E) Pediatrician, age 30; Fellow American Academy of Pediatrics; Diplomate; wishes appointment Southern California in pediatric institution with facilities for teaching and research or association with medical school. (F) Diplomate American Board of Otolaryngology seeks association with established otolaryngologist in California. Age 35, American, Presbyterian. Well qualified. (G) Internist, well trained, accepted by American Board of Internal Medicine, age 35, American, Baptist, wishes group, clinic, partnership or assistantship in California. Will consider city from 10,000 to 100,000. For complete biographies, please write Ann Woodward, Aznoe's-Woodward Medical Personnel Bureau, 30 North Michigan, Chicago, Illinois.

THE STATE DEPARTMENT OF CORRECTIONS wishes to employ: A Chief Prison Medical Officer for the California Vocational Institution, Lancaster, California; A Chief Psychiatrist for the Diagnostic Clinic at the California Vocational Institution, Lancaster, California; A Physician for the California State Prison at Folsom, Represa, California. These are all full-time positions with liberal salaries. Communicate with Richard A. McGee, Director of Corrections, State Office Building No. 1, Sacramento 14, California.

FOR SALE—White enamel instrument cabinet in good condition. 3 glass shelves, 3 drawers and large compartment \$35.00. Also 2 bowl solution stand \$5.00. Robt. J. Evans, M.D., 1229 Latham Square Bldg., Phone Higate 3200, Oakland, Calif.

FOR SALE—One-half interest in a well established large industrial and general practice in Northern California for an active man. Box 9560, California and Western Medicine.

FORMER GP, age 30, desires locum tenens position from December 15 to January 15. Will have to resume full-time teaching position on latter date. Box 9520, California and Western Medicine.



**SAFE, SURE,
ADEQUATE
SOURCE OF
VITAMIN D**

NOW... 400 UNITS OF VITAMIN D₃ PER PINT

The new NESTLÉ'S Evaporated Milk, fed in customary amounts, protects normal infants from rickets and promotes optimal growth. 25 USP units of vitamin D₃ are added to each fluid ounce of this milk. So—when you prescribe a NESTLÉ'S Milk formula—you assure a safe, sure and adequate supply of vitamin D.

NESTLÉ'S MILK PRODUCTS, INC., NEW YORK

A COMMON "POINT OF ATTACK"



*Perhaps the most common
manifestation of cosmetic
allergy is lipstick cheilitis.*

FOR PATIENTS allergic to ordinary lipstick —
ALMAY provides one of the finest lipsticks
which can be made—free from common sen-
sitizer...and available with or without indeli-
ble dye, scented or unscented, and in eight
popular shades. • ALMAY also offers a *complete*
line of hypoallergenic cosmetics—including
face powder, rouge, cold cream, astringent and
many other beauty aids for sensitive skins.
• For physicians confronted with the greater
problem of *hyperallergic* patients, ALMAY
supplies Raw Material and Clinical Testing
Sets to assist in diagnosis—and cooperates
with the physician in developing personal-
ized cosmetics for the stubbornly allergic.

ALMAY, INC., 56 COOPER SQUARE, NEW YORK 3, N. Y.

*for free copies of
"Sensitivity" and
"Allergy"*

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COSMETICS

SOLE DISTRIBUTORS: Schieffelin & Co. NEW YORK 3, N. Y.

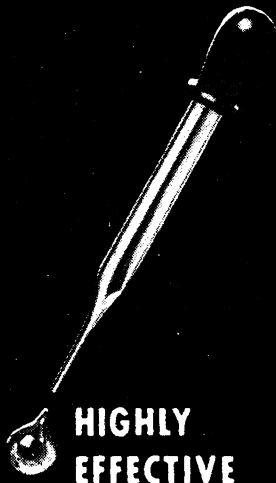
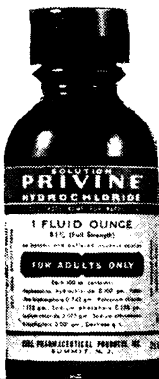
Advertisers in your OFFICIAL JOURNAL will appreciate requests for literature



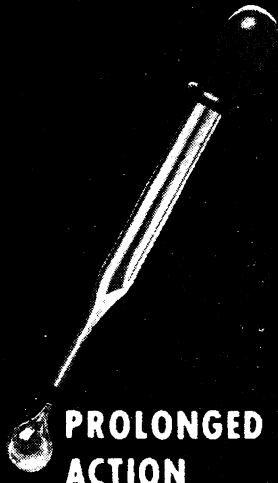
PRIVINE^{*}

HYDROCHLORIDE

ACCEPTED



**HIGHLY
EFFECTIVE**



**PROLONGED
ACTION**



**ISOTONIC
pH 6.2 BUFFERED**

ONLY 3 DROPS

*a Ciba
Product*

PRIVINE

Why do Tom, Dick and Harry need Vitamin D?



Growing children require vitamin D mainly to prevent rickets. They also need vitamin D, though to a lesser degree, to insure optimal development of muscles and other soft

tissues containing considerable amounts of phosphorus . . . Milk is the logical menstruum for administering vitamin D to growing children, as well as to infants, pregnant

women and lactating mothers. This suggests the use of Drisdol in Propylene Glycol, which diffuses uniformly in milk, fruit juices and other fluids.



DRISDOL IN PROPYLENE GLYCOL

TRADEMARK REG U. S. PAT. OFF. & CANADA

Brand of Crystalline Vitamin D₂ (calciferol) from ergosterol

MILK DIFFUSIBLE VITAMIN D PREPARATION

Average daily dose for infants 2 drops, for children and adults 4 to 6 drops, in milk.

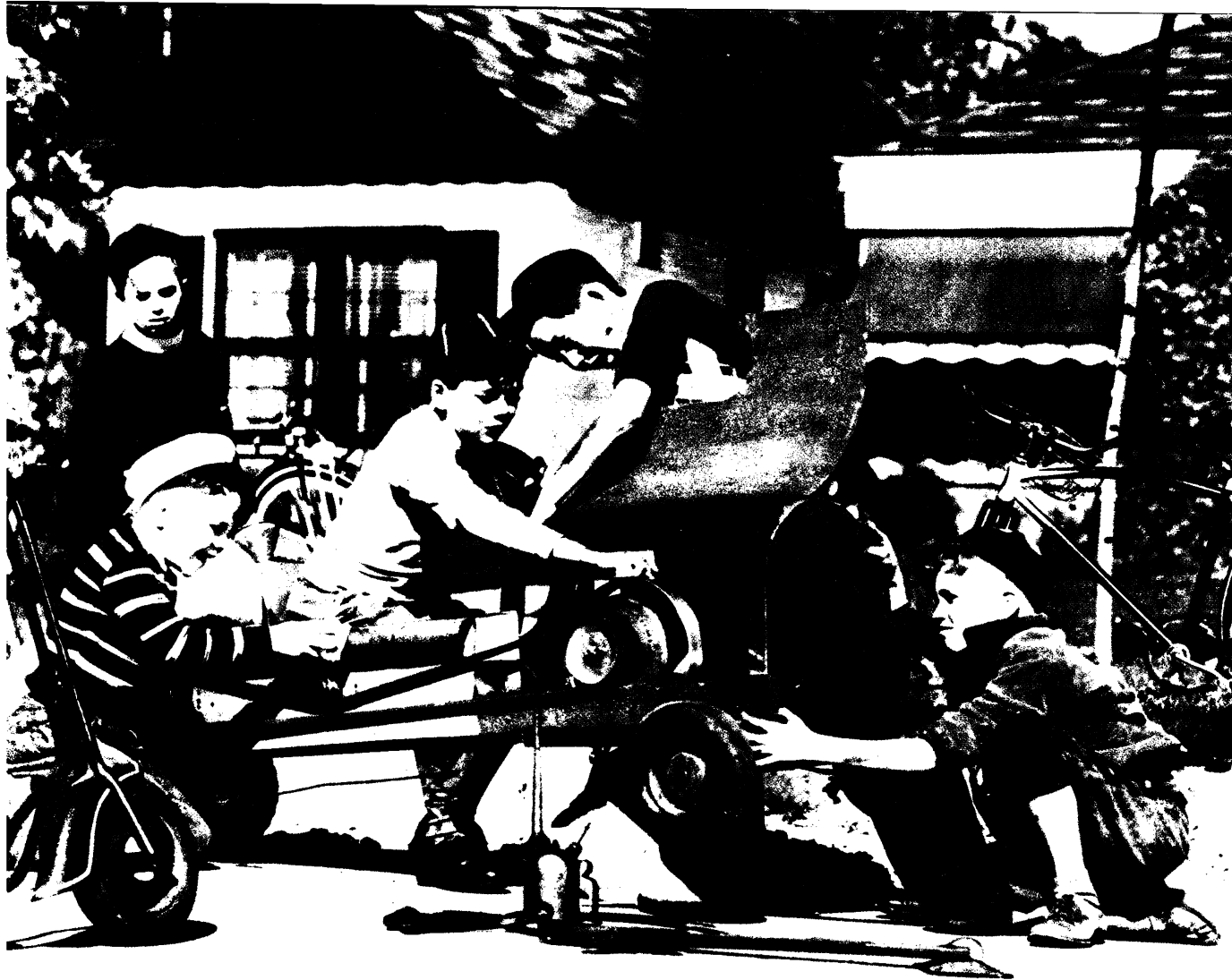
Available in bottles of 5, 10 and 50 cc. with special dropper delivering 250 U.S.P. units per drop.

*Odorless
Tasteless
Economical*

WINTHROP CHEMICAL COMPANY, INC.

Pharmaceuticals of merit for the physician • New York 13, N.Y. • Windsor, Ont.

Advertisers in your OFFICIAL JOURNAL will appreciate requests for literature



COLOR PHOTOGRAPH BY VALENTINO SARRA

THEY CALL IT INGENUITY

FROM THE DEPTHS of American heritage comes the desire to make something different, to make things better. Call it ingenuity if you will, but the impulse more likely is born of a general dissatisfaction with what we have. Give a boy a new toy, a new gun, a new machine of any kind, and in a few weeks he wants to take it apart to see

what makes it go, how it can be improved. That is research in elementary form.

The same basic principles can be applied to medical research. Many important medical discoveries are not attributable to genius, but to the firm conviction that a better product can be made. Medical research men are in agreement with the great industrialist who, only a year or two ago, said, "We are living in a primitive age and all progress is yet to come." Eli Lilly and Company expects to continue to occupy its position as a leader in medical research.

Lilly

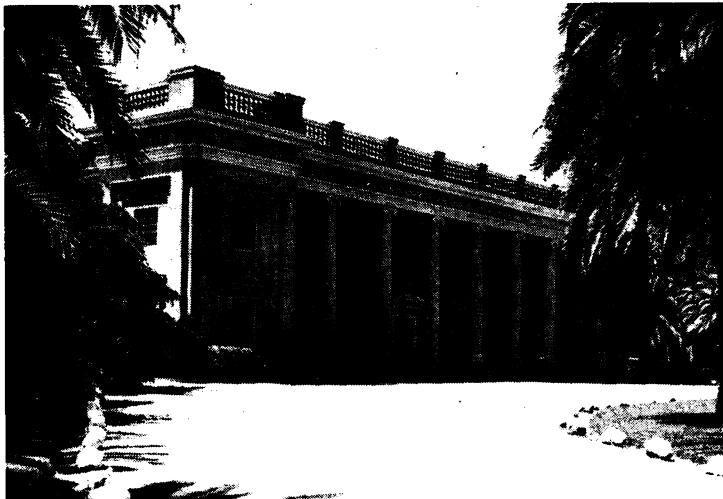


Sulfonamides bearing the Lilly

Label are characterized by uniformity in appearance, accuracy of dosage, rapidity of disintegration, and dependable therapeutic value. Lilly sulfa drugs are available for clinical application in a variety of forms and dosage sizes.

ELI LILLY AND COMPANY • INDIANAPOLIS 6, INDIANA, U.S.A.

LIVERMORE SANITARIUM



• The Hydropathic Department devoted to the treatment of general diseases, excluding surgical and acute infectious cases. Special attention given functional and organic nervous diseases. A well equipped clinical laboratory and modern X-ray Department are in use for diagnosis.

• The Cottage Department (for mental patients) has its own facilities for hydropathic and other treatments. It consists of small cottages with homelike surroundings, permitting the segregation of patients in accordance with the type of psychosis. Also bungalows for individual patients, offering the highest class of accommodations with privacy and comfort.

GENERAL FEATURES

1. Climatic advantages not excelled in United States. Beautiful grounds and attractive surrounding country.
2. Indoor and outdoor gymnastics under the charge of an athletic director. An excellent Occupational Department.
3. A resident medical staff. A large and well-trained nursing staff so that each patient is given careful individual attention.

Information and circulars upon request.
Address: CLIFFORD W. MACK, M.D.
Medical Director
LIVERMORE, CALIFORNIA
Telephone 313

CITY OFFICES:

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Support for the "Weak Link"

Schiffelin BENZESTROL

2, 4 di (p-hydroxyphenyl)-3 ethyl hexane

Schiffelin & Co.

20 COOPER SQUARE, NEW YORK 3, N. Y.
Pharmaceutical and Research Laboratories

As the "weak link" limits the strength of the entire chain, so it is possible that the continuity of the entire hypophyseal-ovarian cycle may be completely broken by the failure of the estrogenic function of the ovary.

Extensive investigations have shown that when the immediate cause of female disorders of ovarian origin is improper estrogen secretion, good results may be obtained by the administration of Schiffelin BENZESTROL. Schiffelin BENZESTROL is a development of the Research Laboratories of Schiffelin & Co., and is available for oral, parenteral and local administration. It is not derived from the stilbenes. It is estrogenically effective and singularly well tolerated, and is a significant contribution to endocrine therapy.

Schiffelin BENZESTROL Tablets
0.5, 1.0, 2.0 and 5.0 mg.
50s-100s-1000s

Schiffelin BENZESTROL Solution
5.0 mg. per cc. 10 cc vials

Schiffelin BENZESTROL Vaginal Tablets
0.5 mg. 100s

Literature and Sample on Request

REST and SUPPORT for the ARTHRITIC SPINE

— CAMP —

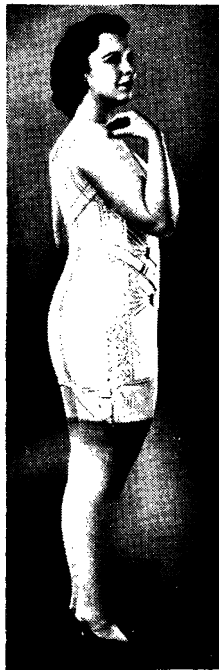
Among the conditions for which Camp Orthopedic Supports are prescribed, we frequently find *arthritis* of the lumbar and dorsal spine. They are efficient and practical aids in the treatment of this condition because—

1 Their *basic construction* assures rest and protection to the spine . . .

2 They *may be reinforced* with pliable steels or the Camp spinal brace as desired by the Orthopedic Surgeon or Physician . . .

3 They are *easily removed* for treatment with other forms of physical therapy . . .

4 They are made of *varying height* to support the involved region or beyond as prescribed by the attending physician or surgeon.



Patient of intermediate type-of-build. Support covers the major portion of the dorsal spine, the lumbar spine, the pelvic region and the gluteal region.



Obese patient with pendulous abdomen which must be supported in order to avoid the drag on the lumbar spine. Note support of the gluteal region.

S. H. CAMP and COMPANY, JACKSON, MICHIGAN

World's Largest Manufacturers of Scientific Supports

Offices in CHICAGO • NEW YORK • WINDSOR, ONTARIO • LONDON, ENGLAND



Styled for Individual Tastes

Neo-Synephrine for intranasal use is "styled" in three distinct forms too. All three provide the same real breathing comfort . . . prompt decongestion that endures for hours. Only the vehicles are different . . . isotonic saline, unflavored; Ringer's Solution, pleasantly aromatic; jelly in applicator tubes for convenience.

Neo-Synephrine

HYDROCHLORIDE

LAevo · 4 · HYDROXY · B · METHYLAMINO · 1 · HYDROXY · ETHYL · BENZENE · HYDROCHLORIDE

For Nasal Decongestion

THERAPEUTIC APPRAISAL: Quick acting, long lasting . . . nasal decongestion without compensatory re-congestion; relatively free from cardiac and central nervous system stimulation; consistently effective upon repeated use; no appreciable interference with ciliary activity; isotonic to avoid irritation.

INDICATED for symptomatic relief of common cold, sinusitis, and nasal manifestations of allergy.



Samples Upon Request

ADMINISTRATION may be by dropper, spray or tampon, using the ¼% in saline or in Ringer's solution in most cases—the 1% in saline when a stronger solution is indicated. The ½% jelly in tubes is convenient for patients to carry.

APPLIED as ¼% and 1% in isotonic salt solution, and as ¼% in isotonic solution of three chlorides (Ringer's), bottles of 1 fl. oz.; ½% jelly in ¾ oz. collapsible tubes with applicator.

Frederick **Stearns & Company**
Division

DETROIT 31, MICHIGAN

NEW YORK KANSAS CITY SAN FRANCISCO WINDSOR, ONTARIO SYDNEY, AUSTRALIA AUCKLAND, NEW ZEALAND

Trade-Mark Neo-Synephrine—Reg. U. S. Pat. Off.

How irritation varies from *different* cigarettes

Tests made on rabbits' eyes reveal the influence of hygroscopic agents*

TYPE OF CIGARETTE	
1 Edema 0.8	Cigarettes made by the PHILIP MORRIS method
2 Edema 2.1	Cigarettes made with no hygroscopic agent
3 Edema 2.7	Popular cigarette #1 (ordinary method)
4 Edema 2.6	Popular cigarette #2 (ordinary method)
5 Edema 2.7	Popular cigarette #3 (ordinary method)
6 Edema 2.7	Popular cigarette #4 (ordinary method)

CONCLUSION:* Results show that regardless of blend of tobacco, flavoring materials, or method of manufacture, the irritation produced by all ordinary cigarettes is substantially the same, and measurably greater than that caused by PHILIP MORRIS.

CLINICAL CONFIRMATION:** When *smokers* changed to PHILIP MORRIS, substantially every case of irritation of the nose and throat due to smoking cleared completely or definitely improved.

*N. Y. State Journ. Med. 35 No. 11,590 **Laryngoscope 1935, XLV, No. 2, 149-154

TO THE PHYSICIAN WHO SMOKES A PIPE: We suggest an unusually fine new blend—COUNTRY DOCTOR PIPE MIXTURE. Made by the same process as used in the manufacture of Philip Morris Cigarettes.



Sleep insurance for doctors

To the harassed doctor, 'Dexin' brand High Dextrin Carbohydrate helps provide "sleep insurance"—nights made peaceful by fewer frantic calls from worried mothers. His 'Dexin' babies sleep more soundly, and are less subject to disturbances that interrupt slumber. The high dextrin content of 'Dexin' (1) diminishes intestinal fermentation and the tendency to colic and diarrhea, and (2) promotes the formation of soft, flocculent, easily digested curds.

'Dexin', palatable but not too sweet, is readily soluble in hot or cold milk or other bland fluids. 'Dexin' does make a difference.

'Dexin' Reg. Trademark

'Dexin'

HIGH DEXTRIN CARBOHYDRATE

Composition—Dextrins 75% • Maltose 24% • Mineral Ash 0.25% • Moisture 0.75% • Available carbohydrate 99% • 115 calories per ounce • 6 level packed tablespoonfuls equal 1 ounce • Containers of twelve ounces and three pounds • Accepted by the Council on Foods and Nutrition, American Medical Association.

Literature on request



BURROUGHS WELLCOME & CO. (U.S.A.) INC. 9 & 11 E. 41st St., New York 17, N.Y.

to alleviate prolonged postpartum depression

A direxory sense of
futility, emptiness and
pessimism sometimes
afflicts the postpartum
patient and may
prolong the period
of recovery.
When the characteristic
syndrome of true
depression follows
childbirth, the
administration of
benzedrine sulfate is
often of dramatic
value. Obviously, it
should not be used for
the casual case of
low spirits or normal
physiological depression,
as distinguished from
a true and prolonged
mental depression.



Smith, Kline & French
Laboratories
Philadelphia, Pa.

benzedrine sulfate
(racemic amphetamine sulfate, S. K. F.)

tablets and elixir

Paul Rand

the obligations of victory

Victory, too, imposes obligations. The fruits of our efforts and the sacrifices of the past four years will be determined by our actions today.

There is much to be done if we are in some small measure to repay those who fought for us.

For those who died there are families to care for; those who were hurt must be brought back to health; and even those who returned without physical injury need to be helped back to a normal peacetime existence.

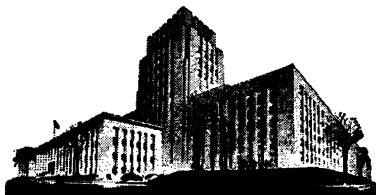
"... to the great task remaining before us."

BUY VICTORY BONDS

They finished their job; let's finish ours.

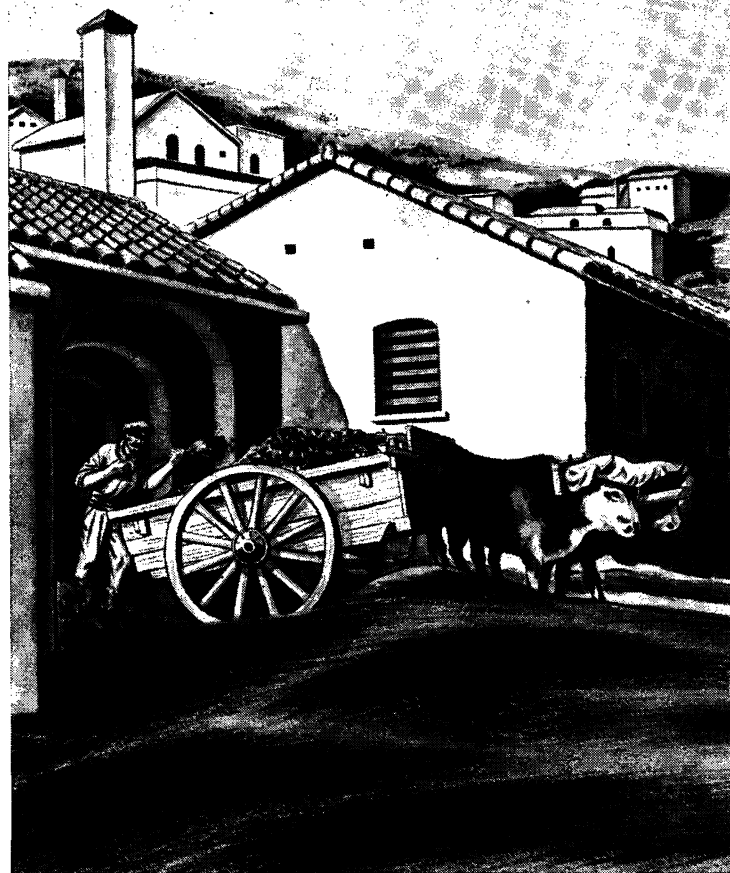


Upjohn



KALAMAZOO 99, MICHIGAN • FINE PHARMACEUTICALS SINCE 1886

Seventy generations of mankind

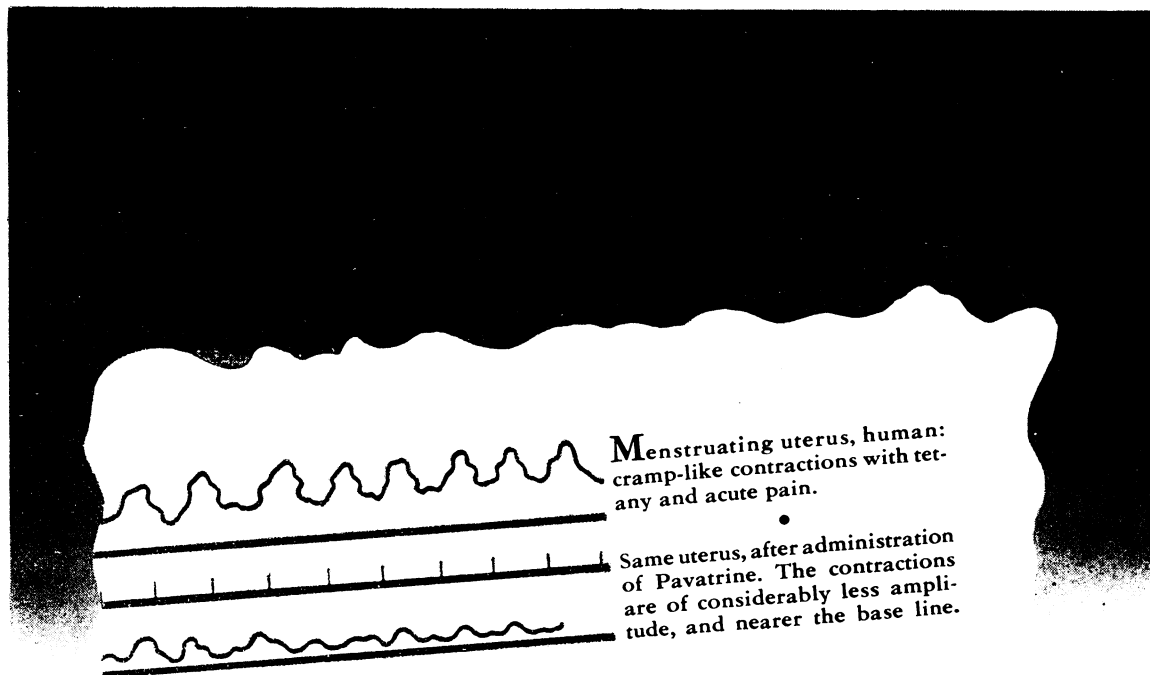


Almadén, one of the world's greatest cinnabar mines, is a monument to the perseverance of seventy generations of mankind who have burrowed in a space of less than six acres without exhausting its mineral resources. The ancient peoples of Spain were not concerned in obtaining the mercury from the ore, but used the ore primarily as a pigment for self-decoration.

Today, however, one of the most gratifying applications of mercury is in the field of antiseptics. Prominent in this field is the complex organic mercurial salt 'Merthiolate' (Sodium Ethyl Mercuri Thiosalicylate, Lilly). Announced more than fifteen years ago, 'Merthiolate' has measured up to many of the most critical requirements of the medical profession. Among the preparations of 'Merthiolate' now used extensively is the tincture. Tincture 'Merthiolate' is an alcohol-acetone-aqueous solution. It is recommended for preparation of the operative field, postoperative application to incision, and first aid.

ELI LILLY AND COMPANY
Indianapolis 6, Indiana, U.S.A.

Lilly



Intrauterine balloon tracings reveal that Pavatrine has a morphine-like action in counteracting the tetanic contractions of essential dysmenorrhea. Symptomatic relief is afforded during the period of spasmolytic effect.

PAVATRINE

(8-diethylaminoethyl fluorene-9-carboxylate-hydrochloride)

Indicated in:

- Dysmenorrhea due to hypertonicity or excessive contractions.
- Gastrointestinal Spasm—gastric, duodenal, sphincter of Oddi, colon.
- Urinary Bladder Spasm—in cystitis, instrumentation of tenesmus.

Average Dose: 1 or 2 tablets three times daily.

Pavatrine is the registered trademark of G. D. Searle & Co., Chicago 80, Illinois.

SEARLE



PURE VITAMINS

—products of Merck Research

Merck research has been directly responsible for many important contributions to the synthesis, development, and large-scale production of individual vitamin factors in pure form.

In a number of instances, the pure vitamins may be considered to be products of Merck research. Several were originally synthesized in the Merck Research Laboratories, and others have been synthesized by Merck chemists and collaborators in associated laboratories.

Because most of the known vitamins have now been made available in pure form, effective therapy of specific vitamin deficiencies can be conducted on a rational and controlled basis, under the direction of the physician.

MERCK VITAMINS

Thiamine Hydrochloride U.S.P.
(Vitamin B₁ Hydrochloride)

Riboflavin U.S.P.
(Vitamin B₂)

Niacin
(Nicotinic Acid U.S.P.)

Niacinamide
(Nicotinamide U.S.P.)

Pyridoxine Hydrochloride
(Vitamin B₆ Hydrochloride)

Calcium Pantothenate Dextrorotatory
Ascorbic Acid U.S.P.
(Vitamin C)

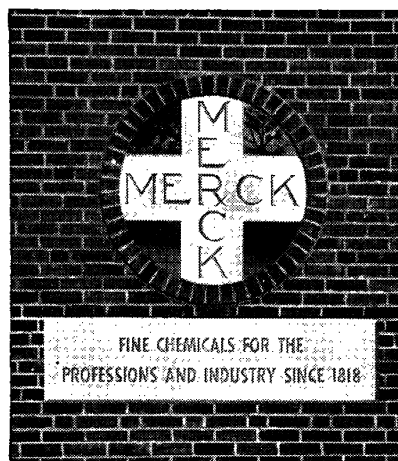
Vitamin K₁
(2-Methyl-3-Phtyl-1,4-Naphthoquinone)

Menadione U.S.P.
(2-Methyl-1,4-Naphthoquinone)
(Vitamin K Active)

Alpha-Tocopherol
(Vitamin E)

Alpha-Tocopherol Acetate
Biotin

Merck & Co., Inc. now manufactures all the vitamins commercially available in pure form, with the exception of vitamins A and D.



MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY, N. J.**



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Patients on "Premarin" therapy usually experience a general feeling of well-being in addition to relief of symptoms; this is confirmed by most of the many clinical reports. Rendering the patient symptom-free is, of course, the prime consideration of treatment; many physicians, however, feel that the restoration of a brighter mental outlook is also an important consideration when instituting therapy. "Premarin" will be found to exhibit the desirable characteristics of both the natural estrogens and the synthetic substances. Although highly potent, "Premarin" is derived exclusively from natural sources; it is

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NATURALLY ACTIVE
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WATER SOLUBLE
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Reg. U. S. Pat. Off.

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ESTROGENS
(equine)

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GLANTROPIN

(Chorionic Gonadotropin)

In stable solution

One of the newer and more actively prescribed products of the Ingram Laboratories is Glantropin, a highly purified anterior pituitary-like hormone extracted from pregnancy urine under carefully controlled conditions and standardized biologically to International Units.

Glantropin, in sterile aqueous solution, is supplied in strengths of 100 International Units (Item No. 240), and 500 International Units (Item No. 241).

Professional samples of Glantropin will be gladly supplied on request.

* Ingraloid is a trade name of the Ingram Laboratories to designate a brand of sterile solution of medicinals for parenteral administration.

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This Institution supplies, among other advantages:

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4. Every proved method of treatment, including pneumothorax and phrenic nerve interruption. (Major thoracic surgery referred to skilled thoracic surgeons.)
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Consultant in General Medicine

F. HARRY BENTEEN, M.D.

Consultant in General Surgery

EMILE HOLMAN, M.D.

(Stanford Hospital),
Consultant, Thoracic Surgery



**"you sure sound
good to me, mister"...**

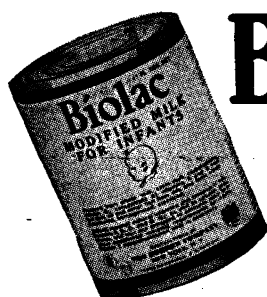
—A typical compliment to "Biolac Babies"—and, at the same time, a reflection of the physician's good judgment.

The soft-curd characteristics of Biolac assure ease of digestion. Adjusted milk fat content facilitates digestion and assimilation, with greater freedom from fat upsets; ample lactose assures soft, natural stool formation; and a high protein level contributes to optimal growth and health.

Since Biolac supplies adequate potencies of Vitamins A, B₁, B₂, and D, as well as iron, the need for time-consuming calculations of extra formula ingredients is eliminated. Indeed, Biolac (supplemented with vitamin C) provides *completely* for the nutritional requirements of the infant partially or entirely deprived of human milk.

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*Easily calculated...
quickly prepared. 1 fl.
oz. Biolac to 1½ fl. oz.
water per pound of
body weight.*



Biolac

"BABY TALK" FOR A GOOD SQUARE MEAL

Biolac is a liquid modified milk, prepared from whole and skim milk, with added lactose, and fortified with vitamin B₁₂, concentrate of vitamins A and D from cod liver oil, and iron. Evaporated, homogenized, and sterilized. Vitamin C supplementation only is necessary. Biolac is available in 13 fl. oz. cans at all drug stores.



CASE HISTORY

Record No. 195

Name Richard P. Hall

Address 155 S. Main St.

Follow up Record in region of inf. etc.

Final Diagnosis Hemiplegia

Date Jan 1944

Result Recovered — Improved — Unimproved — Died

Occupation Accountant

PERSONAL: Age 28 Sex Male M. W. D.

FAMILY HISTORY: Negative

HABITS: None

PAST HEALTH: Good

PRESENT CONDITION: on his feet

PHYSICAL EXAM: Temp. 98.6

HEAD: (in) 70

CASE HISTORY OF THE "TIN CAN" DOCTOR

Lt. ——— went from med-school into Navy destroyer service. Wounded off Okinawa. Complete recovery; then honorable discharge. Eager to open office but needed financial aid. Learned that "G. I. Bill of Rights" guarantees certain loans up to 50% of loan or \$2,000 to qualified veterans. Checked, found Bank of America's complete lending service offered sound statewide credit. Under Bank of America's **Vet-loan Plan**, credit made available totaling \$4,800. At present, has established practice; repaying **Vet-loan** in convenient monthly payments.

Internes and medical students: If you are considering your own office, Bank of America invites you to drop in at any branch and talk over your plans. Whether or not you are a veteran, sound financing can be arranged through a **Timeplan** loan.



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S-M-A* replaces breast feeding whenever human milk is unavailable, of poor quality or insufficient quantity.

Special care has been taken to duplicate the protein, fat and carbohydrate content of human milk, both quantitatively and qualitatively. The successful nutritional history of S-M-A babies is due largely to its remarkable similarity to mother's milk.



S-M-A is derived from the milk of tuberculin-tested cows. Part of the butter fat of this milk is replaced with animal and vegetable fats, including biologically assayed cod liver oil. Milk sugar, vitamin A and D concentrate, carotene, thiamine hydrochloride, potassium chloride and iron are added.

*REG. U. S. PAT. OFF.

Supplied: 1 lb. tins with measuring cup.





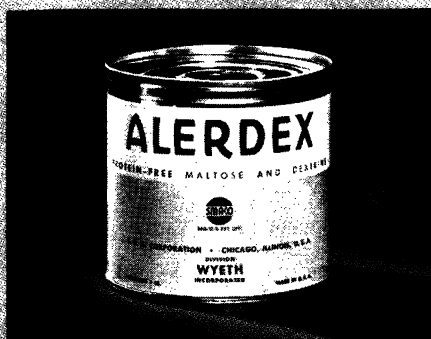
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HIGH PROTEIN INTAKE NEEDED?

Use **PROTEIN S-M-A* (Acidulated)**

A concentrated and readily digested high protein food, indicated particularly for premature and undernourished newborn infants, for malnutrition, in cases of diarrhea, and in any other condition where a high protein intake is required. (Powder—8 oz. tins.)



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Use **ALERDEX***

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While Alerdex is useful in all milk formulas, this protein-free carbohydrate is especially indicated as a modifier in the hypo-allergenic milk diet of the infant sensitive to protein. Alerdex is prepared from noncereal starch by a process designed to eliminate every trace of protein. (Powder—16 oz. tins.)



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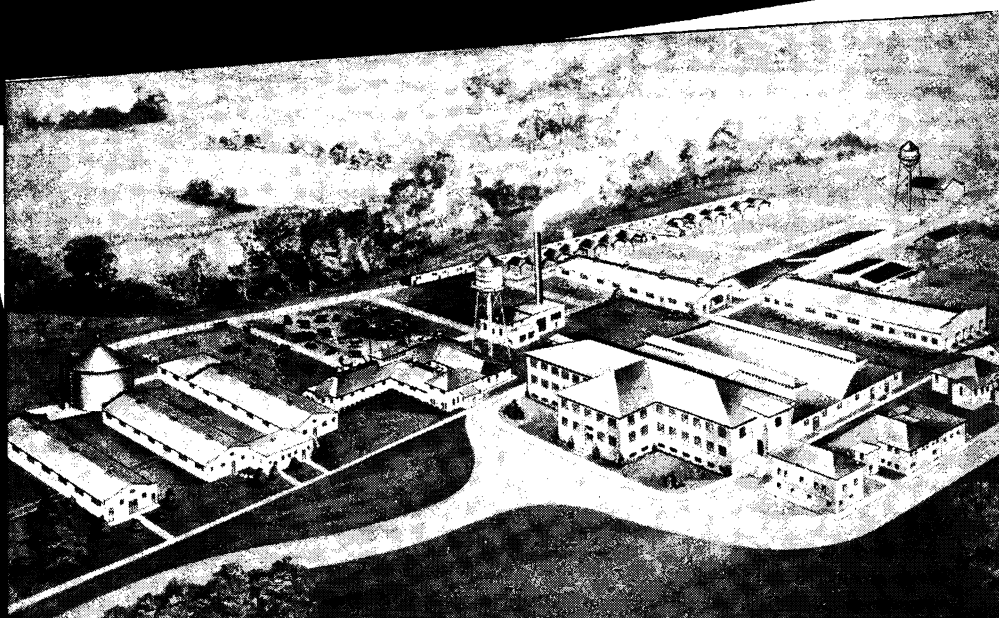
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Expanding —

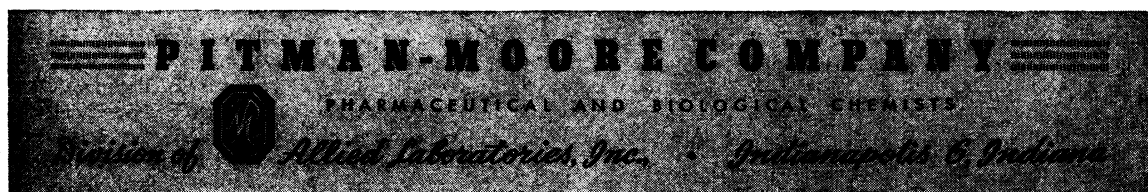
**The rapidly increasing demand for Pitman-Moore Biologicals
has compelled us to launch an extensive new building program.**

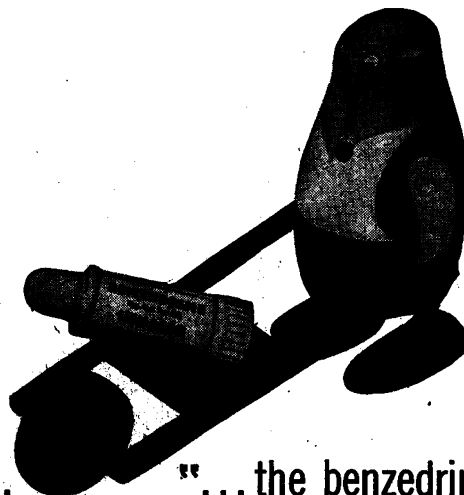
With the completion of a large addition to the main building of our Biological Laboratories, increased capacity has been provided for vaccine production, serum processing and control testing.

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Vollmer, E.S.: Use of the Benzedrine Inhaler for Children, Arch. Otolaryng. 26:91.

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In a recent survey of pediatricians, 77% were found to use Benzedrine Inhaler, N.N.R., in their practice.

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A comprehensive report published in *Human Fertility*¹ shows an overwhelming preference by experienced clinicians for the "Diaphragm and Jelly" method of conception control.

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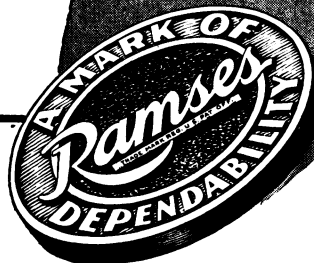
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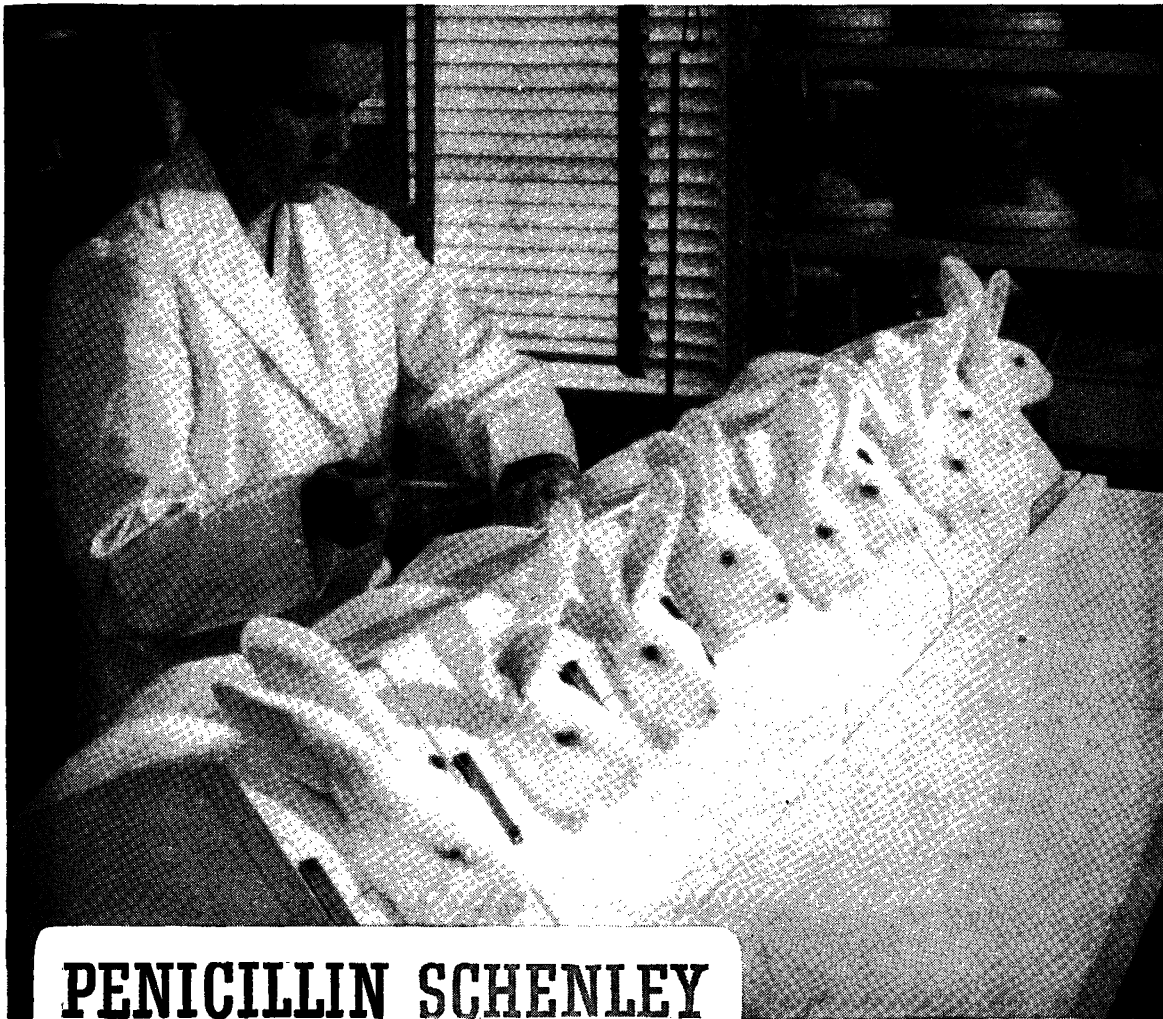
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New York 19, N. Y.

1. *Human Fertility*, 10:25, March, 1945.



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The mold which produces penicillin is a mold of a fairly *common* variety . . . but the production of penicillin for the medical profession depends upon precautions to insure sterility which are *most uncommon*.

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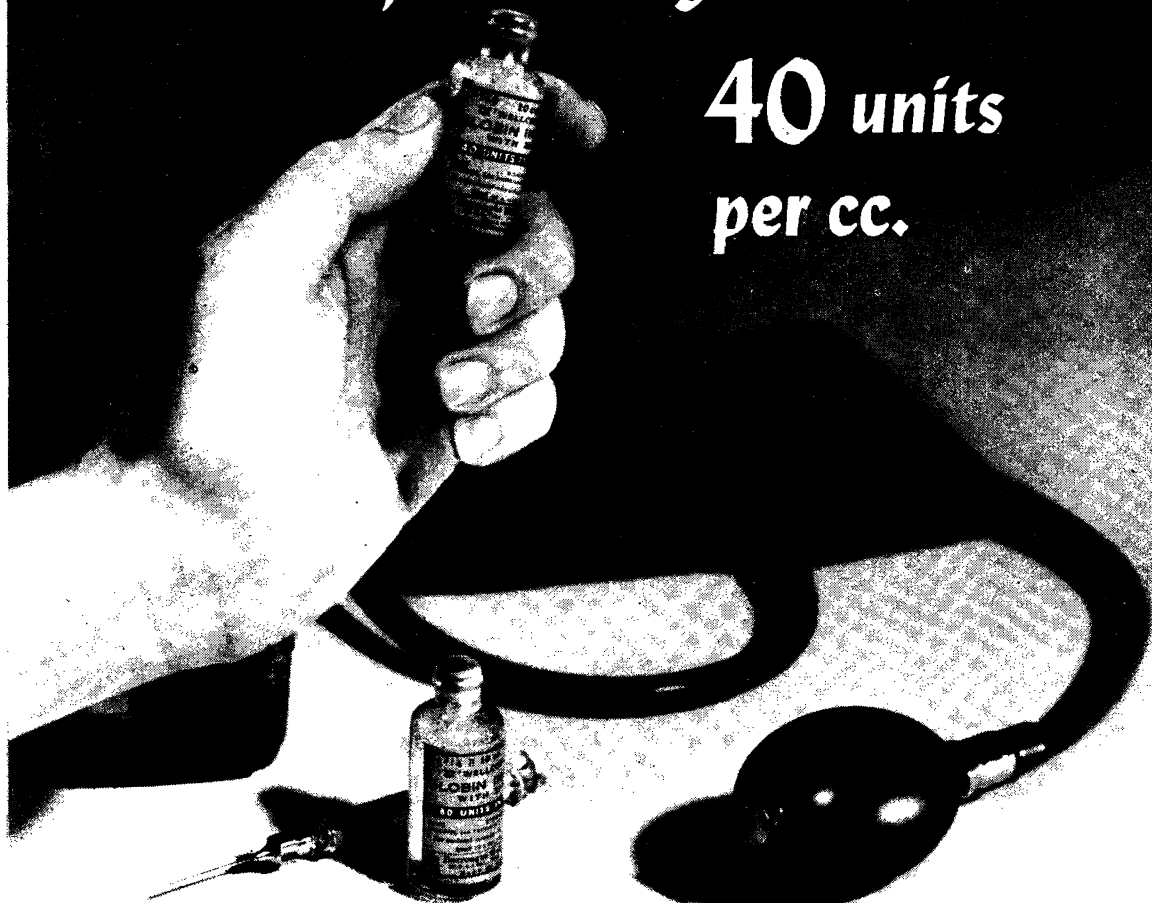
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The new 40 unit strength will be readily distinguishable by a distinctive *red* and tan label. As before, the 80 unit per cc. ampule is easily recognized by its *green* and tan label. Both strengths are available in vials of 10 cc. Developed in the Wellcome Research Laboratories, Tuckahoe, New York. U.S. Patent No. 2,161,198. Literature on request. 'Wellcome' Trademark Registered.

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IN the management of meningitis of pneumococcic, meningococcic, streptococcic, and staphylococcic origin, penicillin therapy presents advantages which in the minds of many observers* make it the treatment of choice, to be instituted in adequate dosage as soon as diagnosis is established. Because it is virtually nontoxic, penicillin may be given in effective amounts as long as required, intrathecally as well as systemically. Its therapeutic efficacy appears to be considerably greater than that of the sulfonamides, reducing mortality rates appreciably.

*McCune, W. S., and Evans, J. M.: Intraventricular Penicillin in the Treatment of Staphylococcic Meningitis, J. A. M. A. 125:705 (July 8) 1944.

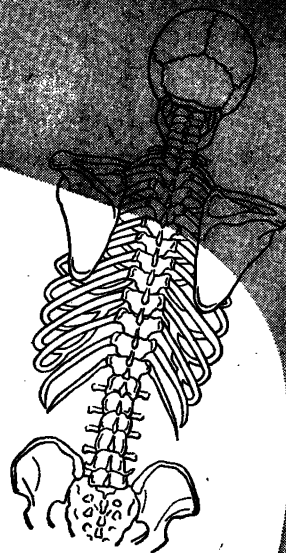
Gould, A. H.: Mixed Bacterial Meningitis Following Cranio-Cerebral Trauma, Rocky Mountain M. J. 41:560 (Aug.) 1944.

MacNeal, W. J., and Pease, M. C.: Fulminant Meningococcemia Treated with

Penicillin Calcium, Am. J. Dis. Child. 68:30 (July) 1944.

Rosenberg, D. H., and Arling, P. A.: Penicillin in the Treatment of Meningitis, J. A. M. A. 125:1011 (Aug. 12) 1944.

Sweet, L. K.; Dumoff-Stanley, E.; Dowling, H. F., and Lepper, M. H.: The Treatment of Pneumococcic Meningitis with Penicillin, J. A. M. A. 127:263 (Feb. 3) 1945.



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In meningitis, when penicillin is given intrathecally as well as systemically, the state of purification reached in Penicillin-C.S.C. is especially appreciated. The reactions to penicillin, attributed by many investigators to inadequate purification, are minimized when Penicillin-C.S.C. is used. Rigid laboratory control, and biologic and bacteriologic assays, safeguard the potency, sterility, nontoxicity and pyrogen-freedom of Penicillin-C.S.C. For this reason, and because its large production spells adequate supplies as needed, Penicillin-C.S.C. has been given preference in many of the country's outstanding hospitals.

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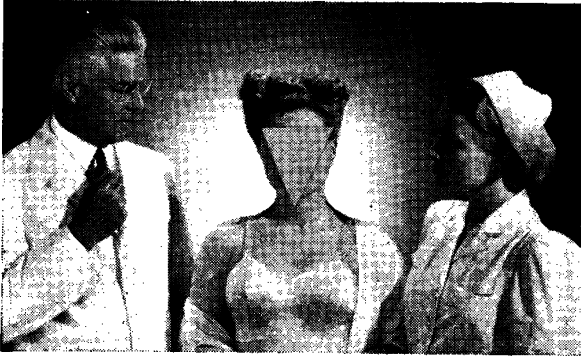
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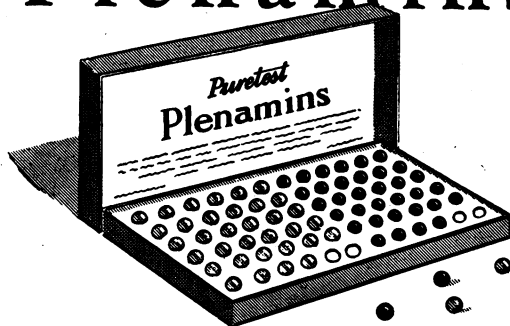
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Speed—Two minutes for individual determinations of sodium and of potassium.

Accuracy— $\pm 3\%$ of the amount of element present in one reading, $\pm 1\%$ for the average of ten readings.

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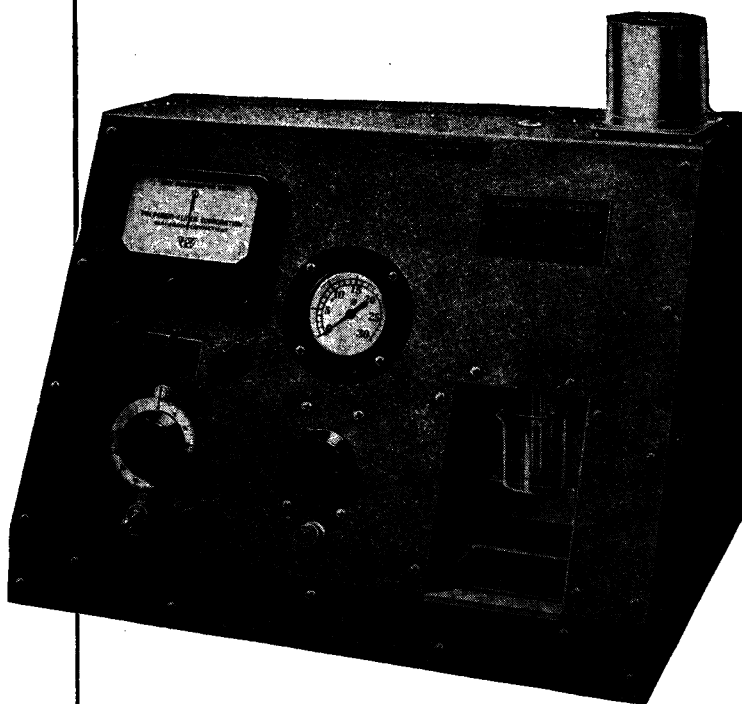
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of Medical Information*



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The medical men in the war will be the subject of novels, plays, and movies for years to come. But words, pictures . . . statistics, revealing as they are . . . won't begin to tell the whole story of the magnificent work you did. Nor will words be adequate to express fully the appreciation and thanks of your fellow men.

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IT DOES HAPPEN HERE

Severe rickets still occurs—even in sunny climates

Vitamin D has become such an accepted practice in infant feeding that it is easy to think that rickets has been eradicated. However, even deforming rickets is still seen, as witness the above three contemporary cases from three different sections of the United States, two of them having well above the average annual sunshine hours for the country. In no case had any antiricketic been given during the first two years of life. *It is apparent that sunlight did not prevent rickets.* In other cases of rickets, cod liver oil was given inadequately (drop dosage) and even this was continued only during the winter months.

To combat rickets simply, inexpensively, effectively—

OLEUM PERCOMORPHUM

This highly potent source of natural vitamins A and D, if administered regularly from the first weeks of life, will not only prevent such visible stigmata of rickets as pictured above, but also many other less apparent skeletal defects that might interfere with good health. What parent would not gladly pay for this protection! And yet the average prophylactic dose of Oleum Percomorphum costs less than one cent a day. Moreover, since the dosage of this product is measured in drops, it is easy to administer Oleum Percomorphum and babies take it willingly. Thus there is assurance that vitamin D will be administered *regularly*.

EXIGENCY OF WAR

Oleum Percomorphum 50% is now known as **Oleum Percomorphum With Other Fish Liver Oils And Viosterol**. A source of vitamins A and D in which not more than 50% of the vitamin D is derived from viosterol. The potency remains the same; namely, 60,000 vitamin A units and 8,500 vitamin D units per gram.

MEAD JOHNSON & COMPANY, Evansville 21, Indiana, U. S. A.



"Combined immunization against diphtheria, tetanus, and pertussis is safe, effective and easy"★

BUT—not all combined vaccines are alike! Cutter D-P-T, used in the series reported above, is unique in many ways.

Organisms for the Pertussis Vaccine used in "D-P-T" are grown on *human blood media*. Purified toxoids and extremely high pertussis count yield a vaccine so concentrated that *every cc. contains considerably more than a human dose* each of tetanus and diphtheria toxoids—plus 40 billion pertussis organisms in Phase I. Thus, your dosage schedule with "D-P-T" is only 0.5 cc., 1 cc., 1 cc.

Cutter D-P-T (Alhydrox) is aluminum hydroxide adsorbed, determined by Miller to be more potent than aluminum precipitated vaccines. Moreover, persistent nodules and sterile abscesses are eliminated almost entirely.

Again quoting Miller, "Lapin has emphasized the danger of producing sterile abscesses when pertussis vaccine is mixed with alum toxoids. We are not in a position

to comment . . . as aluminum hydroxide is the adsorbent used by us. In our group of 172 children who received 2 injections, no abscesses were noted."**

In time and embarrassment saved you, in pain saved your patients, you'll find Cutter D-P-T has much to offer.

★

Hamilton, P. M., and Knouf, E. G.; J. of Ped., 25:238; Sept. 1944. **Miller, J. J., and Saito, T. M.; J. of Ped., 21:31-44; July, 1942.

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